

PRODUCT INFORMATION PACKET

Model No: 143TTWD6001
Catalog No: N454A
1,3450,TEFC,143TC,3/60/230/460
Washdown Duty



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Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	2.6/1.3 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	80 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	J	Frame	143TC
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	SQ CAGE IND RUN	Starting Method	ACROSS THE LINE
Poles	2	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	T
Overall Length	13.62 in	Shaft Diameter	0.88 in
Shaft Extension	2.12 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	16993400ME	Connection Diagram	005010.01ME

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN RDW 04/12/02	
		DEC.	INCHES			CHK	
		.X	±.1			APPD	
		.XX	±.01	TITLE		SCALE 1=1	
		.XXX	±.005	EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		REF FIG.2-51	
		.XXXX	±.0005	MAT'L.		FMF	
				DECAL - 004014		PREV	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	
			RFP	04/12/02		CAD FILE	00501001ME
			DIST			SIZE	A
						DRAWING NO.	005010-01ME
						REV.	

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Data Sheet

1431TWD6001



Submittal
Data @ 460 V

Date: 6/20/2017

Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.50	0.58	0.85	1.05	1.30	1.45	1.60	9.8
Torque (ft-lb)	0.00	95.9	194	289	389	7,044	492	991
RPM	3600	3561	3528	3493	3456	3,438	3411	0
Efficiency (%)		63.2	68.0	79.4	81.7	80.1	78.4	
P.F. (%)	18.1	64.9	82.7	84.5	88.1	90.7	93.3	0.0

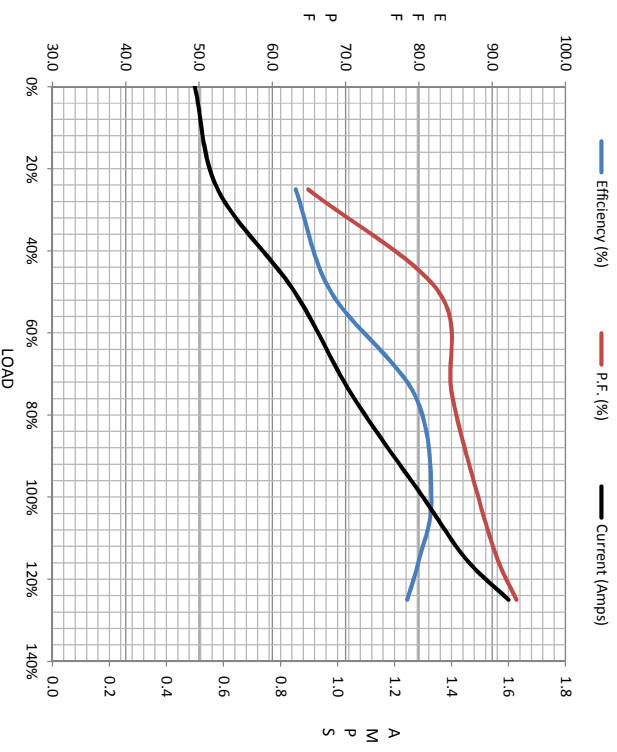
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	1800	3312	3456	3600
Current (Amps)	9.8	9.0	5.9	1.30	0.50
Torque (ft-lb)	991	656	1,220	389	0.00

Information Block

HP	1.0
Sync. RPM	3600
Frame	0
Enclosure	TEFC
Construction	TFR
Voltage	30/460#190/38 V
Frequency	60 HZ
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	41 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wkt	0.05 Lb-Fe
Rel Wdg	Q163Z7 FR
Sound Pressure @ 1M	999 dBA
VFD Rating	NONE
Outline Dwg	16993400ME
Conn. Diag	00501001ME
Additional Specifications:	
0	

EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

